

GenCore version 4.5
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OM nucleic - nucleic search, using sw model

Run on: February 3, 2000, 14:15:30 ; Search time 54.75 Seconds
(Without alignments)
2612.935 Million cell updates/sec

Title: US-08-962-560A-3
Perfect score: 1235
Sequence: 1 CCAGGCTCAGCTCCGGCGC.....AGAAAAAAAAAAAAAAAA 1235

Scoring table: IDENTITY_NUC
Gapop 10.0, Gapext 1.0

Searched: 207703 seqs, 57918730 residues

Total number of hits satisfying chosen parameters: 415406

Minimum DB seq length: 0
Maximum DB seq length: 1000000

Post-processing: Minimum Match 0%
Listing first 45 summaries

Database : Issued_Patents_NA:*
1: /cgnl_6/ptodata/2/1na/5A.COMB.seq:*
2: /cgnl_6/ptodata/2/1na/5B.COMB.seq:*
3: /cgnl_6/ptodata/2/1na/5C.COMB.seq:*
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5: /cgnl_6/ptodata/2/1na/PTU03.COMB.seq:*
6: /cgnl_6/ptodata/2/1na/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | ID | Description |
|------------|-------|-------------|--------|----|--|
| 1 | 69.6 | 5.6 | 774 | 3 | US-08-463-081B-33 Sequence 33, Appl |
| 2 | 69.6 | 5.6 | 774 | 3 | US-08-461-379A-33 Sequence 33, Appl |
| 3 | 69.6 | 5.6 | 774 | 3 | US-08-462-390B-33 Sequence 33, Appl |
| 4 | 69.6 | 5.6 | 1960 | 3 | US-08-463-081B-9 Sequence 9, Appl |
| 5 | 69.6 | 5.6 | 1960 | 3 | US-08-461-379A-9 Sequence 9, Appl |
| 6 | 69.6 | 5.6 | 1960 | 3 | US-08-462-390B-9 Sequence 9, Appl |
| 7 | 62.2 | 5.0 | 1931 | 4 | US-09-130-114-2 Sequence 2, Appl |
| 8 | 55.4 | 4.5 | 7218 | 1 | US-08-232-463-14 Sequence 14, Appl |
| 9 | 50 | 4.0 | 43280 | 3 | US-08-804-227C-1 Sequence 11, Appl |
| 10 | 49.8 | 4.0 | 12001 | 2 | US-08-458-568A-11 Sequence 11, Appl |
| 11 | 49 | 4.0 | 5452 | 4 | US-09-130-114-1 Sequence 11, Appl |
| 12 | 49 | 4.0 | 10596 | 1 | US-07-884-811-15 Sequence 15, Appl |
| 13 | 49 | 4.0 | 10596 | 1 | US-07-885-971-15 Sequence 15, Appl |
| 14 | 49 | 4.0 | 10596 | 1 | US-08-087-783A-15 Sequence 15, Appl |
| 15 | 49 | 4.0 | 10596 | 1 | US-08-194-088B-15 Sequence 15, Appl |
| 16 | 49 | 4.0 | 10596 | 3 | US-08-194-087-15 Sequence 15, Appl |
| 17 | 49 | 4.0 | 10596 | 5 | PCT-US93-04648-15 Sequence 15, Appl |
| 18 | 46.8 | 3.8 | 1093 | 6 | PCT-US93-04648-15 Sequence 15, Appl |
| 19 | 46.2 | 3.7 | 12001 | 2 | US-08-458-568A-11 Sequence 11, Appl |
| 20 | 46 | 3.7 | 8438 | 1 | US-07-945-283-1 Sequence 11, Appl |
| 21 | 45.2 | 3.7 | 835 | 6 | 5223425-7 Patent No. 5223425 |
| 22 | 45 | 3.6 | 4897 | 6 | 5196516-7 Patent No. 5196516 |
| 23 | 43 | 3.5 | 1601 | 1 | US-08-206-006-1 Sequence 1, Appl |
| 24 | 43 | 3.5 | 30001 | 1 | US-08-125-168-1 Sequence 1, Appl |
| 25 | 43 | 3.5 | 30001 | 3 | US-08-474-933-1 Sequence 1, Appl |
| 26 | 42.6 | 3.4 | 4897 | 6 | 5196516-7 Patent No. 5196516 |
| 27 | 42.4 | 3.4 | 1335 | 6 | PCT-US91-06532-1 Sequence 1, Appl |
| 28 | 42.2 | 3.4 | 833 | 3 | US-08-403-852D-3 Sequence 3, Appl |

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| 29 | 42.2 | 3.4 | 3590 | 1 | US-08-587-889-1 Sequence 1, Appl |
| 30 | 42.2 | 3.4 | 3590 | 5 | PCT-US96-09193-1 Sequence 1, Appl |
| 31 | 42.2 | 3.4 | 5392 | 3 | US-08-403-852D-1 Sequence 1, Appl |
| 32 | 41.4 | 3.4 | 1182 | 1 | US-07-640-476-4 Sequence 4, Appl |
| 33 | 41.4 | 3.4 | 1182 | 6 | 5290690-1 Patent No. 5290690 |
| 34 | 41.4 | 3.4 | 1566 | 6 | 5290690-3 Patent No. 5290690 |
| 35 | 41.2 | 3.3 | 1394 | 4 | US-08-068-729-3 Sequence 3, Appl |
| 36 | 41 | 3.3 | 770 | 1 | US-07-906-349A-3 Sequence 3, Appl |
| 37 | 41 | 3.3 | 770 | 1 | US-08-167-035-3 Sequence 3, Appl |
| 38 | 41 | 3.3 | 770 | 1 | US-08-208-887A-3 Sequence 3, Appl |
| 39 | 41 | 3.3 | 770 | 3 | US-08-539-005-3 Sequence 3, Appl |
| 40 | 41 | 3.3 | 2721 | 6 | 5215881-2 Patent No. 5215881 |
| 41 | 40.8 | 3.3 | 1389 | 2 | US-08-484-438-41 Sequence 4, Appl |
| 42 | 40.8 | 3.3 | 1797 | 2 | US-08-463-163-2 Sequence 2, Appl |
| 43 | 40.8 | 3.3 | 1869 | 3 | US-08-356-786-15 Sequence 15, Appl |
| 44 | 40.8 | 3.3 | 2760 | 4 | US-08-743-637B-20 Sequence 20, Appl |
| 45 | 40.8 | 3.3 | 5727 | 5 | PCT-US91-02954-13 Sequence 13, Appl |

ALIGNMENTS

RESULT 1
US-08-463-081B-33
Sequence 33, Application US/08463081B
Patent No. 5871960 5837487
GENERAL INFORMATION:
APPLICANT: Smith, Kendall A. & Beadling, Carol
TITLE OF INVENTION: Nucleic Acids Encoding CR5 Polypeptide,
TITLE OF INVENTION: Nucleic Acids Encoding CR5 Polypeptide,
NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESS:
ADDRESSEE: PRETTY, SCHROEDER & POPLAWSKI
STREET: 444 South Flower St. - Suite 1900
CITY: Los Angeles
STATE: California
COUNTRY: USA
ZIP: 90071
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0,
SOFTWARE: Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/463,081B
FILING DATE: 5-JUN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/104,736
FILING DATE: 10-AUG-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/796,066
FILING DATE: 20-NOV-91
ATTORNEY/AGENT INFORMATION:
NAME: Viviana Amzel, Ph. D.
REGISTRATION NUMBER: 30,930
REFERENCE/DOCKET NUMBER: P66 38150 (DAFT-060)
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 622-7700
TELEFAX: (213) 489-4210
INFORMATION FOR SEQ ID NO: 33:
SEQUENCE CHARACTERISTICS:
LENGTH: 774 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
US-08-463-081B-33
Query Match 5.6%; Score 69.6; DB 3; Length 774;
Best Local Similarity 51.3%; Pred. No. 3.3e-07;


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NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
ADDRESSEE: THOMAS G. PLANT 1501
STREET: LILLY CORPORATE CENTER
CITY: INDIANAPOLIS
STATE: IN
COUNTRY: USA
ZIP: 46285
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM Compatible
OPERATING SYSTEM: MS-DOS
SOFTWARE: ASCII(DOS) Text only
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US-08/804,227C
FILING DATE: February 21, 1997
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Plant, Thomas, G.
REGISTRATION NUMBER: 35,784
REFERENCE/DOCKET NUMBER: X-8231
TELECOMMUNICATION INFORMATION:
TELEPHONE: 317-276-2459
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 43280 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: CDS
LOCATION: 816..14234
FEATURE:
NAME/KEY: CDS
LOCATION: 14351..19945
FEATURE:
NAME/KEY: CDS
LOCATION: 20010..31199
FEATURE:
NAME/KEY: CDS
LOCATION: 31232..36067
FEATURE:
NAME/KEY: CDS
LOCATION: 36249..41774
US-08-804-227C-1

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| Query Match | Score | DB | Length |
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| Best Local Similarity | 46.8% | Pred. No. 0.029 | 43280 |
| Matches 192 | Conservative | 0 | Mismatches 215; Indels 3; Gaps |

| Query | 252 | CCTCTCTCCAGCGGCCCCCGCTGCTCCCGGCGCTGCCCGGCGGTCCAGCCAGCCC | 311 |
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| Db | 17058 | CTTACGACAGGCGCTGCCCTTGGCGGTCTGGCCCGCGCCGAGAGCGCGTCCCTGGCGG | 17117 |
| QY | 312 | CTGGCGACACTACTTCCGCACTTCCGCTCCCACTCCGATTACGGCGCATACGC--- | 369 |
| Db | 17118 | TGGCGCGCGCACTGCGCACTACGCGCTTCCAGCGCACCCACTACTGCTCGAGCGCCCG | 17177 |
| QY | 369 | GGACAGCGCGCTCTCGAGCGCTCGGCGCTCTATTGGGGAGCCCGTAGGCTCAGCGGG | 428 |
| Db | 17178 | CGCGCCCCCGCGCGCCCTCCCGCGGGGCTCGAGAGCGCGGTACACCGCTCTCCGCG | 17237 |
| QY | 429 | CGCAGAGCGGCTGCTGCGCGAGCCCGTGGGCACTTCTTGTGCGGAGAGCTGTCAAC | 488 |
| Db | 17238 | CCCTCGACCTGCCCCCGGAGCGGAGAGGTGTGACCCGAGCGCTTCTCCGCGCCACCC | 17297 |
| QY | 489 | GGAATGCTCTTTCGCGCTCAGCGTGAAGATGAGCTTCTGGGCCCCCAGCAGCATCGCGTGC | 548 |
| Db | 17298 | TGCGCTTGGGCGCGGAGACAGAGGTGACAGCGCGGACCGCTCTGCGCGGACCGCGCTGG | 17357 |
| QY | 549 | ACTTCCAGGCGCGGCTTCCACTTTGAGCGGAGCGCGGAGACTTGTGATGCTGCTTTTGG | 608 |

Dd 17358 TCGACCTGGGCGCTCCACGGCCGCCGCGGTCGTGGGAGATTGACTTGTGAAGCCGCCTGG 17417

Dy 609 AGCTGCTGAGACATCTACGTGGCGGCGCCGCGCCGCACTTTGGGGCCCCG 658
|||||
Ddb 17418 TGCTGCCGAGACGAGAGAGTCCGCGTCCGCGTGTACTCGTCGAAACCG 17467

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10 RESULT
11 US-08-458-568A-11
12 Sequence 11, Application US/08458568A
13 Patent No. 5621339
14 GENERAL INFORMATION:
15 APPLICANT: Schaffer, Priscilla A.
16 APPLICANT: Yeh, Lily
17 TITLE OF INVENTION: Compositions and Methods for Treatment of Herpesvirus
18 TITLE OF INVENTION: Infections
19 NUMBER OF SEQUENCES: 15
20 CORRESPONDENCE ADDRESS:
21 ADDRESS: Woodcock, Washburn, Kurtz, Mackiewicz & No. 5621339r1s
22 STREET: One Liberty Place, 46th floor
23 CITY: Philadelphia
24 STATE: PA
25 COUNTRY: USA
26 ZIP: 19103
27 COMPUTER READABLE FORM:
28 MEDIUM TYPE: Floppy disk
29 COMPUTER: IBM PC compatible
30 OPERATING SYSTEM: PC-DOS/MS-DOS
31 SOFTWARE: WordPerfect 5.1
32 CURRENT APPLICATION DATA:
33 APPLICATION NUMBER: US/08/458,568A
34 FILING DATE: 02-JUNE-1995
35 CLASSIFICATION: 435
36 PRIOR APPLICATION DATA:
37 APPLICATION NUMBER: US 08/065,146
38 FILING DATE: 05-MAY-1993
39 CLASSIFICATION: 435
40 ATTORNEY/AGENT INFORMATION:
41 NAME: Leary Ph.D., Kathryn R.
42 REGISTRATION NUMBER: 36,317
43 REFERENCE/DOCKET NUMBER: DFCI-0029
44 TELECOMMUNICATION INFORMATION:
45 TELEPHONE: (215) 568-3100
46 TELEFAX: (215) 568-3439
47 INFORMATION FOR SEQ ID NO: 11:
48 SEQUENCE CHARACTERISTICS:
49 LENGTH: 12001 base pairs
50 TYPE: nucleic acid
51 STRANDEDNESS: double
52 TOPOLOGY: linear
53 MOLECULE TYPE: DNA (genomic)
54 HYPOTHETICAL: NO
55 ANTI-SENSE: NO
56 ORIGINAL SOURCE:
57 ORGANISM: Herpes simplex virus
58 STRAIN: Herpes Simplex Virus Type 1
59 US-08-458-568A-11

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Query Match      4.0%; Score 49.8; DB 2; Length 12001;
Best Local Similarity 46.4%; Pred. No. 0.021;
Matches 162; Conservative 0; Mismatches 187; Indels 0; Gaps
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| | 1970 | CTCGGGGGGGGGCGCGCACACACACAGCGGCCCTCGGCCCTCGCGCCCTTGCCCCCTTC | 2028 | 11 | 11 | 11 | 11 |
| | 112 | GCAACCCCCGAGCGTAATGCGCCACCCCCTTCAGGTGGCCCCCTTCGAGTAGAATGTAGACG | 171 | 11 | 11 | 11 | 11 |
| | 2030 | CAGCCCTCGACCCCTCCCGGCCCTCGCCCCCTTCGCGCCCTCGCCCTTCGCCGCCCTCG | 2089 | 11 | 11 | 11 | 11 |
| | 172 | CACCAAGTGTGACAGCGACAATCATCTTCCCCGGCAGCAGAGCCCCCGACGGCGGTCA | 231 | | | | |


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OY 375 GCGGGCTCTGGAGGCGCTGGGGGCTTCTATTGTGGGAGACCCCTGAGCGACAGGGGGGACAG 434
Db 2757 TGGCCCTCTCTGCCCCCTCTCTCTGTCTCTGCCCCCTCTGCCCCCTCTGCTCTGCCCCCTCC 2738
OY 435 AGCGGCTGCGTGCGGAGCCCGTGGGGACACTTCTTGGTGCGGACAGTGTCTCAAGGAACT 494
Db 2737 TGCCCCCTCTCTGCTCTGCCCCCTCTGCCCCCTCTGCTCTGCCCCCTCTGCTCTGCCCC 2678
OY 455 AGCGGCGGCGGCTTCCACTTGGAGCGGACGCGGACGACACTTGCATCTGCTTTTCTGAGCTGC 614
Db 2617 TGCCCCCTCTCTGCTCTGCCCCCTCTCTGCCCCCTCTGCCCCCTCTGCGTCGCGCCGCTCTCC 2555
OY 615 TGGAGCACTACGTGGCGGAGCGCGCGCGGACGATGTGGGGGGCCCGCGCTGCGCCAGCGCGCG 674
Db 2557 TGCTCTCTGCCCCCTCTGCCCCCTCTGCCCCCTCTGCTCTGCGCCCTCTGCCCCCTCC 2498
OY 675 TGGCGCGGCTGCGAGAGCTGTGTCGCCAGGAGGATGCGCGCGCGCGGGGTGCGAGAAC 734
Db 2497 TCTGCTCTCTGCCCCCTCTCTCTCTGCTCTGCCCCCTCTGCCCCCTCTGCCCCCTCTGCTG 2433
OY 735 TGGCGCGGCACTCTTAAACCGGATCTCGGTACTACGTGAGTTCTTCCCTTCCAGA 794
Db 2437 TCTGCCCCCTCTGCGCCCCCTCTCTCTGCTCTGCCCCCTCTGCGCCGTCGTCGCGCCGCTGCG 2378
OY 795 TCTGACGCGGCTGCGCGCTGTGCGCGAC 821
Db 2377 CCTCTCTGCCCCCTCTCTCTCTGCTCTG 2351

RESULT 13
US-07-885-971-15/c
Sequence 15, Application US/07885971
Patent No. 5328837
GENERAL INFORMATION:
APPLICANT: Godowski, Paul J., Lokker, Nathalie A., Mark, Melanie R.
TITLE OF INVENTION: HEPATOCYTE GROWTH FACTOR PROTEASE DOMAIN VARIANTS
NUMBER OF SEQUENCES: 21
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 Inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/885,971
FILING DATE: 19920518
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Dreger, Ginger R.
REGISTRATION NUMBER: 33,055
REFERENCE/DOCKET NUMBER: 779
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/425-3216
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
LENGTH: 10396 bases
TYPE: NUCLEIC ACID

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: STRANDEDNESS: single
: TOPOLOGY: linear
US-07-885-971-15

Query Match          4.0%; Score 49; DB 1; Length 10596;
Best Local Similarity 43.5%; Pred. No. 0.031;
Matches 273; Conservative 0; Mismatches 350; Indels 4; Gaps 1;

QY 195 GCATCCGCCGACAGAGGCCGAGCGGAGCGGTGACAGCCCTCCGTCGTCGTCGT 254
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DB 2973 CGGCTTCACACTCCCTCTCTGACGACCCGGGCTTCACCTCTCTGCTCGCCCTCTCT 2914
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QY 255 CCTGCGACAGCGGCCCCCGGCGGTGCTCCCGGACCTCGCCGCGGATCCACAGCCCTG 314
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DB 2913 GCGCCCTCCGCGTCTGCGGCCCCCTCTGACCCCTCTGCTGCTGCGCCCTCTGCTCT 2854
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QY 315 GCGAATCTACTTCCGCACTTCCGCTCCCACTCCGATTACCGGGGATCAAGCGGACCA 374
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DB 2853 GCTCTGCCCCCTCCGCGCCCTCTCTGCTCTCTGCCCC---TCTGCCCCCTCTCTGCTCC 2798
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DB 2797 TGCCTCTCTGCTGCTCTCTCTCTCTGCTCTGCGCCCTCTGCTGCTGCTGCTGCTGCT 2738
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QY 435 AGCGGCTGCGTGCAGAGCCCGTGGGCACTTCTGTTGTCGCGGACAGTCTCAAGGAACT 494
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DB 2737 TGCCTCTCTGCTCTCTCTGCGCCCTCTGCGCCCTCTCTGCTCTCTGCTCTCTGCTGCCC 2678
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DB 2677 TCTGCTCTCTGCTCTCTCTCTGCTCTGCTCTGCTCTGCTCTCTGCTCTGCTCTCTCTCT 2618
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QY 555 AGCGGCGCGCTCTTCACATTGACAGGCGAGCGGAGACCTTGACACTGCTTTTGAGCTGC 614
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DB 2617 TGCCTCTCTGCTCTCTCTGCGCCCTCTGCGCCCTCTGCTCTCTGCTCTCTGCTCTGCTCC 2558
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QY 615 TGGAGCACTAGTGGCGGCGCGCGCGCGCGCGCAATTTGGGGGGCCCGCTGCGGACAGCGCGG 674
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DB 2557 TGTCTCTGCTCTCTCTCTGCGCCCTCTGCGCCCTCTGCTCTCTCTCTCTCTCTCTCTCTCT 2498
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QY 675 TCGGCGCGCTGAGAGAGCTGTGTGCCAGAGCATGTCGGCGCGCTGCGGCGAGGAGAAC 734
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DB 2497 TCTCTGCTCTGCGCTCTCTCTCTGCTCTGCTCTGCTCTGCTCTCTCTCTCTCTCTCTCTCT 2438
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QY 735 TGGCGCGCATCTCTTTTAAACCGGTACTTCGTGACTACTGATCTCTCTCTCTCTCTCTCTCT 794
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DB 2437 TCTCTGCGCTCTGCGCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 2378
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QY 795 TCTGACGCGCTACGCGTGTGCGGAGC 821
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DB 2377 CCTCTCTGCGCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 2351
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RESULT 14
US-08-087-783A-15/c
: Sequence 15, Application US/08087783A
: Patent No. 5547856
:
GENERAL INFORMATION:
: APPLICANT: Godowski, Paul J., Lokker, Nathalie A., Mark, Melanie R.
: TITLE OF INVENTION: HEPATOCYTE GROWTH FACTOR VARIANTS
: NUMBER OF SEQUENCES: 22
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Genentech, Inc.
: STREET: 460 Point San Bruno Blvd
: CITY: South San Francisco
: STATE: California
: COUNTRY: USA
: ZIP: 94080
:
COMPUTER READABLE FORM:
: MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS

```


